

Abstract of the Disclosure

A paste film is formed by coating a paste onto the surface of a substrate. In a state in which comb-teeth formed on at least a portion of the periphery of a blade is thrust into the paste film, the blade or the substrate is moved in a certain direction, thus forming ceramic capillary ribs on the substrate surface. The paste should preferably contain from 30 to 95 wt.% glass powder or mixed glass/ceramics powder, from 0.3 to 15 wt.% resin, and from 3 to 70 wt.% solvent mixture (a solvent, a plasticizer and a dispersant), and the ceramic ribs on the substrate should preferably have an aspect ratio of from 1.5 to 10. The blade should preferably have a pitch P, a gap w and a depth h as expressed by $0.03 \text{ mm} \leq h \leq 1.0 \text{ mm}$ and $w/P \leq 0.9$, and ribs are foamable on an insulating layer by keeping the blade spaced apart from the substrate surface.

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